

MP-DA2UHD-H2

HDMI 2.0 1×2 Splitter with Down-Scaling and AOC Support



PRODUCT OVERVIEW

The MP-DA2UHD-H2 is an HDMI 2.0 1×2 splitter that distributes one HDMI input to two HDMI outputs. It supports video resolutions up to 4K@60Hz 4:4:4, 1080p 3D and multichannel audio. The splitter provides EDID management, automatic 4K-to-1080p down-scaling, AOC cable power support and convenient firmware upgrade through Micro-USB.

KEY FEATURES

- Supports HDMI 2.0 and video resolution up to 4K@60Hz 4:4:4.
- HDMI input supports HDCP 2.3; outputs support HDCP Active or Passive mode.
- Compatible with HDMI AOC cables and provides up to 5V/200mA on each output.
- Automatically down-scales 4K input to 1080p for compatibility with 1080p displays.
- 18Gbps high bandwidth.
- Advanced EDID management with multiple built-in settings.
- Built-in equalizer for signal enhancement and reduced transmission attenuation.
- Supports CEC pass-through.
- Front-panel LEDs indicate power, input and output status.
- Firmware upgrade through the Micro-USB port.

TECHNICAL SPECIFICATIONS

Video & Interface

VIDEO INPUT

Input	1 × HDMI
Input Connector	1 × Type-A female HDMI
HDMI Input Resolution	Up to 4K@60Hz 4:4:4 8-bit
HDMI Standard	2.0
HDCP Version	2.3, 1.4 compliant
CEC	Supported

VIDEO OUTPUT

Output	2 × HDMI
Output Connector	2 × Type-A female HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4 8-bit
HDMI Standard	2.0
HDCP Version	2.3, 1.4 compliant
AOC Support	Up to 5V/200mA power on each HDMI output
CEC	Supported

CONTROL

Control Part	1 × EDID 4-pin DIP switch; 1 × Micro-USB port
EDID	Multiple built-in EDID settings selectable by front-panel DIP switch
Firmware Upgrade	Micro-USB
HDCP Mode	HDCP Active or HDCP Passive

EDID, DOWNSCALING & GENERAL SPECIFICATIONS

Configuration and Physical Details

EDID MANAGEMENT

000	Obtains EDID from the first detected display, priority OUT 1 > 2
001	Obtains EDID from the first detected display, priority OUT 2 > 1
010	1080p / LPCM
011	1080p / DTS/Dolby
100	3840×2160@30Hz HDR / LPCM
101	3840×2160@30Hz HDR / DTS/Dolby
110	3840×2160@60Hz HDR / LPCM
111	3840×2160@60Hz HDR / DTS/Dolby

HDCP MODE

OFF (0) — Passive	Default. Automatically follows the display's HDCP version.
ON (1) — Active	Automatically removes HDCP content at the HDMI output for broader video compatibility.

4K-TO-1080P DOWNSCALING

4K 4:4:4 @ 60Hz	Supported → 1080p@60Hz 4:4:4
4K 4:4:4 @ 30Hz	Supported → 1080p@30Hz 4:4:4
4K 4:4:4 @ 24Hz	Supported → 1080p@24Hz 4:4:4
4K 4:2:0 @ 60/30/24Hz	Supported → corresponding 1080p@60/30/24Hz 4:4:4
4K 4:2:2 @ 60/30/24Hz	Not supported for down-scaling

GENERAL

Bandwidth	18Gbps
HDMI V2.0 Cable Length	4K@60Hz 4:4:4 ≤5m; 4K@60Hz 4:2:0 ≤15m; 1080p ≤20m
Operating Temperature	−5°C to +55°C
Storage Temperature	−25°C to +70°C
Relative Humidity	10%–90%, non-condensing
Power Supply	Input: 100–240V AC; Output: 5V DC 1A
Power Consumption	1.5W (Max)
Dimensions (W×H×D)	96.0 × 17.6 × 70.4mm
Net Weight	185g

PACKING LIST

1 × HDMI V2.0 1×2 Splitter; 4 × plastic cushions; 1 × 5V DC 1A power adapter; 1 × user manual.

SYSTEM CONNECTION & PANEL DETAILS

Typical Application



SYSTEM CONNECTION

The system connection diagram on page 8 of the supplied manual illustrates one HDMI source connected to the MP-DA2UHD-H2 and two HDMI display outputs. The diagram represents the typical input/output connection of the splitter.

FRONT PANEL

POWER LED	Illuminates red when power is applied.
INPUT LED	Illuminates blue when an HDMI input signal is present.
OUTPUT LEDs	Each LED illuminates blue when HDMI output is active on the corresponding channel.
EDID	4-pin DIP switch for EDID setting and HDCP mode selection.
FW	Micro-USB port for firmware upgrade.

REAR PANEL

INPUT	1 × Type-A female HDMI input for the HDMI source.
OUTPUTS	2 × Type-A female HDMI outputs for HDMI displays.
DC 5V	DC barrel power input for the supplied AC adapter.

SOURCE & NOTE

Source: supplied MP-DA2UHD-H2 User Manual, Version MP-DA2UHD-H2_2020V1.0. The manual states that the described functions and parameters were updated through November 2020.